

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Hannu TOIVONEN et al.

Serial No. (unknown)

Filed herewith

METHOD FOR GENE MAPPING FROM  
CHROMOSOME AND PHENOTYPE DATA

#4

Plunkett  
12/5/01J1017 U.S. PTO  
09/08/01  
06/08/01INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, the accompanying documents, copies of which are attached to this statement, are made of record on the enclosed sheet.

A concise explanation of the relevance of these items is that we are advised by our client that these references were discovered during any searches they or their client had made, or that they were considered in the preparation of the application.

Respectfully submitted,

YOUNG &amp; THOMPSON

By



Robert J. Patch  
Attorney for Applicants  
Customer No. 000466  
Registration No. 17,355  
745 South 23rd Street  
Arlington, VA 22202  
Telephone: 703/521-2297

June 8, 2001

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. BP101729	SERIAL NO. 101729-5 PRO 09/875935
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		APPLICANT Hannu TOIVONEN, Päivi ONKAMO, Kari VASKO, Vesa OLLIKAINEN, Petteri SEVON, Heikki MANNILA, Juha KERE	
		FILING DATE June 8, 2001	GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NO.	PUBL. DATE	COUNTRY OR PATENT OF- FICE	CLASS	SUB CLASS	TRANSLATION YES NO
	AD						
	AE						
	AF						

## OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

AG	H. TOIVONEN et al., "Data mining applied to linkage disequilibrium mapping", American Journal of Human Genetics, 67, pp133-145, 9 June 2000
AH	H. TOIVONEN et al., "Gene mapping by haplotype pattern mining", Proceedings of IEEE International Symposium on Bio-Informatics and Biomedical Engineering, pp99-108, 10 Oct 2000
AI	P. SEVON et al., "Mining associations between genetic markers, phenotypes and covariates", Wijsman et al. Genetic Analysis Workshop 12, Genetic Epidemiology 21 (Suppl 1), 2001
AJ	K. VASKO, "Data mining techniques on gene mapping", Closed seminar: "Seminar on Computational Research Methods", Department of Computer Science, University of Helsinki, Sep 1999 by e-mail.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.